TM822 | Touchstone® TM822 E-MTA

Base Product

8x4 DOCSIS® 3.0 Modem (E-MTA) with 2 voice ports

- Toll grade voice performance equal to the industry leading TM602/TM722 family of products
- Two independent 96MHz wide RF tuners to receive downstream channels up to 1GHz
- Configurable options for loop current, loop voltage management, and ringing waveform
- Loop Diagnostics for remote testing and troubleshooting of in-house wiring
- Advanced Diagnostics for easy troubleshooting - Call Quality Metrics for last fifty (50) calls
- Integrated Power Switch to address European EuP directives (TM822S only)

The Touchstone TM822 DOCSIS 3.0 8x4 Embedded Multimedia Terminal Adaptor (E-MTA) delivers two lines of primary line Voice over IP (VoIP), ultra-high speed data access, and multiple battery pack options to support telephony service during power outages.

Designed to support the services desired most by advanced users, the TM822G enables the home or small business user to address productivity needs with the speed and performance found only in the 8x4 bonded channel cable environment along with industry-leading ARRIS voice and battery back-up features, and IPv6 support. With the TM822G, cable operators can offer data services at speeds greater than 300Mbps to their subscribers to compete against VDSL and fiber to the home threats. Additionally, the TM822 offers full support for a variety of voice codecs, including HD Voice support, as well as multiple call signaling methods – NCS, Legacy SIP, and PacketCable 2.0 IMS.

The ARRIS advanced diagnostics feature offers easy troubleshooting for Cable Operators providing unprecedented visibility and diagnostic tools to insure carrier grade voice services.

Not available in retail. Please check with your service provider for availability.

Product Classification

Regional Availability	EMEA	Latin America	North America
Product Type	E-MTA

General Specifications

Access Technology	DOCSIS 3.0	EuroDOCSIS 3.0
Channel Bonding	Up to 8x4 SC-QAM
Diagnostic LEDs	Battery (TM822G only)	DS	Link	Online	Power	Tel 1	Tel 2	US
Ethernet Ports	1 x GigE
Interfaces	1x RJ45 (10/100/1000 Base-T)	4 lines, RJ14 ("Line 1/2", "Line 3/4"), RJ11 ("Line 2", "Line 4")	'F' type connector
RF Downstream Frequency Range	108-1002 MHz
RF Downstream Bonded Channels, quantity	Up to 8
RF Downstream Input Sensitivity Level	-15 dBmV to 15 dBmV
RF Downstream Data Rate	Up to 343 Mb/s

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RF Upstream Frequency Range	5-42 MHz
RF Upstream Bonded Channels, quantity	Up to 4
RF Upstream Data Rate	Up to 122 Mb/s
Voice	Yes
Voice Ports, quantity	2

Dimensions

Height	185.42 mm | 7.3 in
Width	43.18 mm | 1.7 in
Length	157.48 mm | 6.2 in

Environmental Specifications

Standards Compliance	CB T.38 Fax Relay | CE Enhanced codec support (G.726, G.728, G.729E) | Codec: G.711, 64 kb/s, µ-law and A-law encoded speech | FCC Part 15 Class B | IEEE 802.3, IEEE 802.3ab | PacketCable 1.0 and 1.5 Compliant | RoHS, WEEE | UL® 60950 RFC3261 SIP: Session Initiation Protocol

Packaging and Weights

Weight, net	0.454 kg | 1 lb

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